

CUBIT Capability Proposal

Technical Area

Geometry, Meshing, Infrastructure, GUI, Graphics, etc..

Technical Lead

Cubit Developer in charge of technical area

GUI/Cubit

Randy Morris – GUI, Clint Stimpson - Cubit

MRD Description

Describe the capability in terms of how a user would see it.

Provide a set of proper tools and capabilities for boundary conditions

SRS Description

What needs to be done by Cubit developers to implement this capability? Break the tasks into steps if applicable. (Steps should be on the order of 2 man-weeks or more)

1. Provide complete graphics support for boundary conditions
2. Provide a power tool for managing boundary conditions

Justification

Describe why this is important and what impact it will have if it is implemented. (or not implemented).

Current implementation of boundary conditions in Cubit is weak. Complete support for graphics is required. A tool or set of tools for defining, managing, viewing, outputting, etc for boundary conditions is also required. Maybe the GUI could support a 'BC Focus', similar to the "Mesh Focus" proposed.

Resources

Who will work on this

Time estimate

How much time will it take in man-weeks

Targeted Release

10.2 (August 06), 10.3 (March 2007), 10.4 (August 2007), Future (beyond FY07)

Randy Morris
Clinton Stimpson

4-6 man weeks.
?

10.2
10.2

Submitted By:

Randy Morris

Date:

3/17/06